

PileUp of: @/home/mmrri00/Georgina/.WAG/pileup-26532.26547

Symbol comparison table: GenRunData:pileupdna cmp CompCheck: 6876

GapWeight: 5.000
GapLengthWeight: 0.300

pileup.msf MSF: 1841 Type: N September 4, 19102 09:13 Check: 8239 ::

Figure 1

101	35-L2 35-L5 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... .....	[SEQ ID NO: 7] [SEQ ID NO:13] [SEQ ID NO:11] [SEQ ID NO: 9] [SEQ ID NO:1] [SEQ ID NO:5] [SEQ ID NO:3] [SEQ ID NO:9]
150						
151	35-L2 35-L5 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... .....	200
201						
250	35-L2 35-L5 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... .....

Figure 1 (continued)

251	35-L2 35-15 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	..... AAGAGAAGAT AAGGCAGAGC G.GCTGGGGC G.GCCTGGGC GAGACAGGAA TATATATTGT	ATGTGGCTG GCCCTGGCTG CATGTGGCTG CCTTCATGCTG CTCGTGGGG CATGTGGCTG AGAAGATACT	TCCCAGCTC ACACTCTACC CCCCCTGCTC CCTTCAGGTC TCTTCAGGCTC CTCCCAGGCTC CTGACCATGCTC	TGCTGCTTCT TGCTCCTCTC TGCTCCTCTC TGCTCCTCTC TGCTCCTCTC TACTCCCTCTC ACTCTGGCTT GCTGTTTCTCA	CATCCTCCCA CTGGCTCTCA CAGCCTCTCA CTGTGTCCCA GCTGTCCCA CTGCCCTCTCA GTGTTTCCCA GCTCTCAAAC	[SEQ ID NO:7] [SEQ ID NO:13] [SEQ ID NO:11] [SEQ ID NO:9] [SEQ ID NO:1] [SEQ ID NO:5] [SEQ ID NO:3] [SEQ ID NO:9]
301	35-L2 35-L5 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	GGCTACTCCA GGCTACTCCA GGCTGTTTC GGCTGTCTGA GGCTATTTC GGCTGTTTGT GGATGTTTGT TCCTGGACTC	TTGGCCGCTAA TTGTCACTCA CTG..... CTC..... CTC..... CTC..... AAGTGATCCA	AATCACCTGGT AATCACCGGT CATCCAAGGC....TGAGTGGC....TGAGCCAC....TGAAGGGC....TGAAGGGC....TGAGCAA	CCAACAACAG CCAACAACAG CCAGAGTCTG CCCAGCACCG CCCATGACCG CCGGGCTCTG TGCAGGACCG CCTGCCTTGG	TGAATGGCTC TGAATGGCTT TGAGAGCCCC TGATGGGGCG TGGGGGGCCC TGACTGGCAC TGGGGGGCCC TGCTAAAG	350
351	35-L2 35-15 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	GGAGCAGGGC GGAGCGGGGC AGAGCAGGGG CGTGGGGAA CGTGGGGGA TGGGGGGAC CGTGGGGGA GCAGGGTAA	TCATTGACTG TCCTTGACCG TCCCTGACGG TCCCTGAGTG TCCCTGAGTG TCTCTGACAG TCCCTGAGTG GCCACCGCAC	TGCAGTGTGC TGCAGTGTGT TTCAATGCCA TTCAGTGTCG TGCAGTGTCG TGTGGTGTCA TGCAGTGTCC CGGGCCTACA	TTATGGCTCA TTACAGATCA CTATAAGCAA GTATGAAGAC CTATGAGAA GTATGAGAGC CTATGAGAA CTTGTGTTTA	GGCTGGGAGA GGCTGGGAGA GGATGGGAGA AAATACAAGA GAACACAGGA ATGTACAGGG GAACACAGGA ACTTTAAAAA	400

Figure 1 (continued)

401 35-L2 35-L5 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	CCTACTTGAA GTGGCGGTGT CAAGGAGCTG ATTGGAARTTA CTGTAACATC [SEQ ID NO:7] CCTACTTGAA GTGGTGGTGT CGAGGGCTA TTGGCGGTGA CTGCAAGATC [SEQ ID NO:13] CCTACATTAA GTGGTGGTGC CGAGGGGTAC ATGCAAGATC [SEQ ID NO:11] CGTTAACAA ATACTGGTGC AGACAAACCCT GCTTGCCAAAT TTGGCATGAA [SEQ ID NO:9] CCCTCAACAA ATTCTGGTGC AGACCCAC AGATTCCTCG AGATTCTCG AGATTCCTCG ATGTCACAAG [SEQ ID NO:1] GATAAACAA GTACTGGTGC CGGGACAGT ACGACACGTC ATGTCAGAGC [SEQ ID NO:5] CCCTCAACAA ATACTGGTGC AGACCCAC AGATTTCTCT ATGTCACAAG [SEQ ID NO:3] AGTATCCGGT GATAAGATGG AAAGAAATAT GAGGGTCAGG GTCAAGAAGTC [SEQ ID NO:9]
450 35-L2 35-L5 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	CTTGTAAAAA CAAATGGATC AGAGCAGGAG GTAAAGAAGA ATCGAGTTTC CTTGTAAAAA CCAGTGGTC AGAGCAGGAG GTGAAGAGGG ACCGGGTGTC CTCATTGAAA CCAGAGGTC GGAGCAAGGA GAGAAAGATG ACCGTGTGTC ATGGTGGAGA CCGGGGGTC TGAGGGAGTG GTGAGGGAGTG ACCAAAGTGTAT ATTGTGGAGA CCAAGGGTC AG...CAGGG AAAGGAATG GCCGAGTG ATTGTGGAGA CCAAGGGAGA AGAGAAGGTG GAGAGGAATG GCCGCCGTGTC ATTGTGGAGA CCAAGGGTC AG...CAGGA AAAAGGAACG GCCGAGTG CTTTTGCAG TCAGGGGGC TGTGTCTCTG GACAGG . . G TTCCAATGGG
500 35-L2 35-L5 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	500 CTTGTAAAAA CAAATGGATC AGAGCAGGAG GTAAAGAAGA ATCGAGTTTC CTTGTAAAAA CCAGTGGTC AGAGCAGGAG GTGAAGAGGG ACCGGGTGTC CTCATTGAAA CCAGAGGTC GGAGCAAGGA GAGAAAGATG ACCGTGTGTC ATGGTGGAGA CCGGGGGTC TGAGGGAGTG GTGAGGGAGTG ACCAAAGTGTAT ATTGTGGAGA CCAAGGGTC AG...CAGGG AAAGGAATG GCCGAGTG ATTGTGGAGA CCAAGGGAGA AGAGAAGGTG GAGAGGAATG GCCGCCGTGTC ATTGTGGAGA CCAAGGGTC AG...CAGGA AAAAGGAACG GCCGAGTG CTTTTGCAG TCAGGGGGC TGTGTCTCTG GACAGG . . G TTCCAATGGG
550 35-L2 35-L5 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	550 CATCAGGGAC AATCAGAAAA ACCACGTGTT CACCGTGACC ATGAGGAATC CATCAAGGAC AATCAGAAAA ACCGCACGTT CACTGTGACC ATGAGGGATC CATCAAGGAC AATCAGAAAG ACCGCACGTT CACTGTGACC ATGAGGGGC CATCACGGAC CATCCCTGGAG ACCTCACCCT CACCGTGACC TTGGAGAAC CATCAGGGAC AGTCCTGGCAA ACCTCAGCTT CACAGTGACC CTGGAGAAC CATCAGAGAC CACCCGGAGG CTCTCGCCTT CACTGTGACC ATGAGAAC CATCAGGGAC AGTCCTGGCAA ACCTCAGCTT CACAGTGACC CTGGAGAAC CAT.GGGGAG RTGCAAGTTC TCCTGTTCAT GACTCTGTCC AAGGAGTCCT

Figure 1 (continued)

Figure 1 (continued)

701	CAGCCCCACAG	GCCAAA.....	GGGACCCC	CTTCCCTGGT	AACCAGAGAC	[SEQ ID NO:7]
35-L2	TGGACAACAG	GCACAAGCTC	CTGAAGCTCA	GTGTCCTCCT	GCCCTCTCATC	[SEQ ID NO:13]
35-15	TCATCGGTC	CCACAAGAGG	AACCAACTACA	TGTCCTGGT	ATTGTGAAG	[SEQ ID NO:11]
35-L4	CATCTCCCAC	CAGGC.....	.....	.....	.....	[SEQ ID NO:9]
35-L3	GTCTCTCCAC	GAAGCTGGCC	GTGCCACACCT	GGCCCAGCGT	GACCAAAAG	[SEQ ID NO:1]
35A	CACCTCCCCAT	CTTCCTGGTG	GTGAAC CCTG	GGCGAAACCT	CAGCAC CAGG	[SEQ ID NO:5]
35-L1	CA.ATCACAA	CTGCATTTC	ACCTGTATCA	TCCACTACCC	TGT TGCAGT	[SEQ ID NO:3]
35H	35-L7 (AW8)	.....	.....	.....	.....	[SEQ ID NO:9]
750						
751	CCCAAATCCCT	GCCAGGTGCCT	TCTTGGAA.....	.....	CTTCTT	TTA.....
35-L2	TTCA CCATAT	TGCTGCTGCT	TTTGGTGG.....	.....	CCGCC	TC ACTCTTG
35-15	GTGCCCATCT	TGCTCATCTT	GGTCA CTG.....	.....	CCATC	CTCTGGTTGA
35-L4	.....	..CCAGCCA	ATGCCAAGG.....	.....	.....	.....
35-L3	.....	.....	.....	.....	.....	.....
35A	GACAGCCCCG	AACCCAGCCC	ACACCCCTGG.....	.....	G	TCCCTGCCCA
35-L1	GA.....GG	TGTTGACCCA	AAATTCAAGG.....	.....	.C	TCCCTGTTCA
35H	GGGTGCCACC	CACAGTGCCA	GCATCCAGGA	GGAAA ACTGAG	.....G	TTCGGGCTCA
35-L7 (AW8)	.....	.....	.....	.....	.....	.....
800						
801	.....	.....	.....	.....	.....	.....
35-L2	CTTGGAGGAT	GATGAA GTAC	CAGCAGAAAG	GTGAGAGGAC	CTGGGTACTG	.....
35-15	AGGGGTCTCA	GAGGGTCCCT	GAGGAGCCAG	GGGAACAGCC	TATCTACATG	.....
35-L4	GCAGCACCTG	CTTCCCTGCTT	CTCCCCACTCC	TGAAGGTGCC	TCTGCTCCCTG	.....
35-L3	GCAATGTCGG	CTTCCCTGCTC	CTGGTCCCTCT	TGGAGCTGCC	CCTGCTCCCTG	.....
35A	GCAGCCCTCA	CTTCCCTGCTC	GTGGTCCCTTC	TGAAGGTGCC	CCTGCTCCCTG	.....
35-L1	ACTCACAGCT	CCCGCTGCTC	CTCTCCCTGC	TGGCATTGTT	GCTGCTTCTG	.....
35H	35-L7 (AW8)	.....	.....	.....	.....	.....
850						

Figure 1 (continued)

Figure 1 (continued)

1001	35-L2 35-L5 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	..... ..... GGGCCTCGC CCGCCCTTG GAGCTGGTGG GCACCTCCCT GTTCTGCACA [SEQ ID NO: 7] GACTTCTGAC CCTGACCCCTC ATATTCTTT CCATCTTATC ACCGGGATAAC [SEQ ID NO: 9] GACTGGATG ACCTCCCTGAC CATCAAGGCC TGCAACAGAG CCCCTCTGGG [SEQ ID NO: 5] GAAAAGCCAG CACCAACAG GGAGGTGGAG GTGGAATACA GCACTGTGGC [SEQ ID NO: 3]	1050	........................................
		1051	..... ..... ..... ..... ..... ..... ..... .....	1100
	35-L2 35-L5 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	GCTCAGGGAC TTAGCCAGGT CCTCTCCTGA GCCACCATCA CCTCCTGGGG TTTTTAAAG TTAaaaaaa AATGTAGGGCC GGGTGGGTG GCTTACACCT GAACTGGAAT GACCTCCTGA CCACTCCCTC CCGGGCTGCT CTCTCCAAACA CTCCCCCAGG GAAAGAACTTC ACTATGCCTC GGTGGTGTGTT GATTCTAACAA	1101	........................................
			1150	........................................
	35-L2 35-L5 35-L4 35-L3 35A 35-L1 35H 35-L7 (AW8)	TGCCAGGACC TGTCTCTTG GTCAGGGAGCT GTAGAGATGG AGCTCAAGCA GCAATCCAG CACTTGGGA GGCCAAGGCA AGGTGGATCA CTTGAGTCCA TCTCCTGGAA TCCTTGTGA GCCTTCTTCA GCCTTTCCC TGTGCCCCGAT CCAACAGGGAT AGCTGCTCAG AGGCCCTCGGG AGGAGGAACC AGATTCAAGAT		

Figure 1 (continued)

1151		1200
35-L2	.....	.....
35-L5	.....	[SEQ ID NO:7]
35-L4	CTGGACGACT CTGCCCCAC	[SEQ ID NO:13]
35-L3	GGGAAGTTG AGAGCCTGGG	[SEQ ID NO:11]
35A	CACATGTG ACACATGAGG	[SEQ ID NO:9]
35-L1	.....	[SEQ ID NO:1]
35H	TACAGTGTGA TAAGGAAGAC	[SEQ ID NO:5]
35-L7 (AW8)	.....	[SEQ ID NO:3]
		[SEQ ID NO:9]
1201		
35-L2	.....	1250
35-L5	.....	.....
35-L4	ACCAAAGTAC AGAAAAGAGGT	TGGGGAGAC CCCCCAGCC
35-L3	AAAAAAAGA G	CTAGACTTC
35A	.....	.....
35-L1	.....	.....
35H	CTCTCATGGG CCCCCAGGAAG	TCCAGGGACA GCTCCCTAT ACCTGGCCA
35-L7 (AW8)	.....	.....
	
1251		
35-L2	.....	1300
35-L5	.....	.....
35-L4	ATCATTCCGG AGACCAAACTC	AACACCGTCT TTGCTGAGA ACCTGATA
35-L3	.....	.....
35A	.....	.....
35-L1	.....	.....
35H	CGTCCTTCTC AGCCTGCCCT	CGACAAACAGT GACCAACAGA CAGGCAGCTG
35-L7 (AW8)	.....	.....
	

Figure 1 (continued)

1301	35-L2	.....	.....	.....	.....	.....	.....	[SEQ ID NO: 7]
	35-L5	.....	.....	.....	.....	.....	.....	[SEQ ID NO: 13]
	35-L4	TCCGTGTTT	TAATTTTT	TTTTCTAGC	AAAGTTGGGT	TTAATGACT	.....	[SEQ ID NO: 11]
	35-L3	.....	.....	.....	.....	.....	.....	[SEQ ID NO: 9]
	35A	.....	.....	.....	.....	.....	.....	[SEQ ID NO: 1]
	35-L1	.....	.....	.....	.....	.....	.....	[SEQ ID NO: 5]
	35H	GGTTCCAG	GCCATCCCTC	TGTTGCCATC	AGCTTGATIG	GCTTCCCCGA	[SEQ ID NO: 3]	[SEQ ID NO: 9]
	35-L7 (AW8)	.....	.....	.....	.....	.....	.....	[SEQ ID NO: 9]
	1351	.....	.....	.....	.....	.....	1400	.....
	35-L2	.....	.....	.....	.....	.....	.....	.....
	35-L5	.....	.....	.....	.....	.....	.....	.....
	35-L4	TATGTTCAT	GGAAACCTCT	CTGATCCCAC	ACACAAGGAG	GGTGATTCTG	.....	.....
	35-L3	.....	.....	.....	.....	.....	.....	.....
	35A	.....	.....	.....	.....	.....	.....	.....
	35-L1	.....	.....	.....	.....	.....	.....	.....
	35H	GGGCCAGCAG	GGCTGGGGGC	TCCGGAGAGC	AGCAGGAAGC	ACTCCAGGCC	.....	.....
	35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....
	1401	.....	.....	.....	.....	.....	1450	.....
	35-L2	.....	.....	.....	.....	.....	.....	.....
	35-L5	.....	.....	.....	.....	.....	.....	.....
	35-L4	GGATGAGTTC	CTGGTTCTAG	GGCATGAGGG	GCTGGATGGA	CCCTGTCCCC	.....	.....
	35-L3	.....	.....	.....	.....	.....	.....	.....
	35A	.....	.....	.....	.....	.....	.....	.....
	35-L1	.....	.....	.....	.....	.....	.....	.....
	35H	ACCAGTGCCT	GTCGCCTCTT	TCCCCTTTGC	CCCTGTTCA	TCCCAGCTCT	.....	.....
	35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....

Figure 1 (continued)

1451	35-L2	.....	.....	.....	.....	.....	.....	[SEQ ID NO:7]
	35-L5	AGGGAGGACA	TGGCTCTGAG	TCCACAGGGC	TGAGGAGGA	ATGGGAACCT	.....	[SEQ ID NO:13]
	35-L4	.....	.....	.....	.....	.....	.....	[SEQ ID NO:11]
	35-L3	.....	.....	.....	.....	.....	.....	[SEQ ID NO:9]
	35A	.....	.....	.....	.....	.....	.....	[SEQ ID NO:1]
	35-L1	.....	.....	.....	.....	.....	.....	[SEQ ID NO:5]
	35H	GTGTGTGGAG	GACAAAGCTT	CTTCCTGCCT	GGCTCCAGGA	AAAGATGTTG	[SEQ ID NO:3]	[SEQ ID NO:9]
	35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....
	1501	.....	.....	.....	.....	.....	.....	1550
	35-L2	.....	.....	.....	.....	.....	.....	.....
	35-L5	CCCTGGCCCG	GCCCCGGTG	.....	.....	.....	.....	.....
	35-L4	.....	.....	.....	.....	.....	.....	.....
	35-L3	.....	.....	.....	.....	.....	.....	.....
	35A	.....	.....	.....	.....	.....	.....	.....
	35-L1	.....	.....	.....	.....	.....	.....	.....
	35H	CTCACGTAGG	TGGCACCTGC	CAATAGCTTT	GTCAAATCACA	GCCCCATAGG	.....	.....
	35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....
	1551	.....	.....	.....	.....	.....	.....	1600
	35-L2	.....	.....	.....	.....	.....	.....	.....
	35-L5	.....	.....	.....	.....	.....	.....	.....
	35-L4	.....	.....	.....	.....	.....	.....	.....
	35-L3	.....	.....	.....	.....	.....	.....	.....
	35A	.....	.....	.....	.....	.....	.....	.....
	35-L1	.....	.....	.....	.....	.....	.....	.....
	35H	AACGTCTGGA	ATTGCTTGGG	AGTTGGGAG	AACTGTCAAG	AAGAGTGAAG	.....	.....
	35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....

Figure 1 (continued)

1601	1650	1700	1750	
35-L2	.....	.....	.....	[SEQ ID NO:7]
35-L5	.....	.....	.....	[SEQ ID NO:13]
35-L4	.....	.....	.....	[SEQ ID NO:11]
35-L3	.....	.....	.....	[SEQ ID NO:9]
35A	.....	.....	.....	[SEQ ID NO:1]
35-L1	.....	.....	.....	[SEQ ID NO:5]
35H	AGAGTGCCAA AGCGGAGATC TGTTCACCTG GGGCCATGG AGGGGGGACC	.....	.....	[SEQ ID NO:3]
35-L7 (AW8)	.....	.....	.....	[SEQ ID NO:9]
1651	.....	.....	.....
35-L2	.....	.....	.....
35-L5	.....	.....	.....
35-L4	.....	.....	.....
35-L3	.....	.....	.....
35A	.....	.....	.....
35-L1	.....	.....	.....
35H	CACTAAAGAT CAAGATCAA GATTCTCCCC ATCTCACAGA CAAGGAACT	.....	.....
35-L7 (AW8)	.....	.....	.....
1701	.....	.....	.....
35-L2	.....	.....	.....	[SEQ ID NO:7]
35-L5	.....	.....	.....	[SEQ ID NO:13]
35-L4	.....	.....	.....	[SEQ ID NO:11]
35-L3	.....	.....	.....	[SEQ ID NO:9]
35A	.....	.....	.....	[SEQ ID NO:1]
35-L1	.....	.....	.....	[SEQ ID NO:5]
35H	GAGGCCAGAG GGAGGAGAGA ATTGCTCATG GCTCCAGAAC TGGTGGCAAG	.....	.....	[SEQ ID NO:3]
35-L7 (AW8)	.....	.....	.....	[SEQ ID NO:9]

Figure 1 (continued)

35-L2	1751	1800
35-L5	.....	[SEQ ID NO:7]
35-L4	.....	[SEQ ID NO:13]
35-L3	.....	[SEQ ID NO:11]
35A	.....	[SEQ ID NO:9]
35-L1	.....	[SEQ ID NO:1]
35H	TTTCTCTGGAA	CTCTTAGGTT TATTTTAAT ATGAAATATA AAAACAGTTT
35-L7 (AW8)	.....	[SEQ ID NO:3]
	.....	[SEQ ID NO:9]
35-L2	1801	1841
35-L5	.....	.....
35-L4	.....	.....
35-L3	.....	.....
35A	.....	.....
35-L1	.....	.....
35H	CAAATATCTT ATTGAGGGAG	AAGTAAAAAC TTATTAAAC A
35-L7 (AW8)	.....	.....

Figure 1 (continued)

PileUp of: @/home/mMRI00/Georgina/.WAG/pileup-26028.26030

Symbol comparison table: GenRunData:pileuppep.cmp CompCheck: 1254

				GapWeight:	3.000
				GapLengthWeight:	0.100
pileup.msf	MSF:	336	Type:	P	September 4, 19102 09:05 Check: 3277 ..
Name:	35-L5		Len:	336	Check: 3658 Weight: 1.00
Name:	35-L2		Len:	336	Check: 8520 Weight: 1.00
Name:	35-L4		Len:	336	Check: 6004 Weight: 1.00
Name:	CMRF-35A		Len:	336	Check: 8028 Weight: 1.00
Name:	CMRF-35H		Len:	336	Check: 6906 Weight: 1.00
Name:	35-L1		Len:	336	Check: 3613 Weight: 1.00
Name:	35-L3		Len:	336	Check: 6548 Weight: 1.00
				//	

35-L5	.....MPLL TLYLLFWLS GYSIVTQITG PTTVN....G LERGSLTVC [SEQ ID NO:14]
35-L2	.....MWL SPALLLILP GYSIAAKITG PTTVNGSEQQ SEQGSLTVQC [SEQ ID NO:8]
35-L4	.....MWL PPALLLSSL GCF...SIQG PESV...RA PEQGSLTVQC [SEQ ID NO:12]
CMRF-35A	MTARAWASWR SSALLLLLVP GYF...PLSH PMTVA....G PVGGSLSVQC [SEQ ID NO:2]
CMRF-35H	.....MWL PWALLLWVP GCF...ALSK CRTVA....G PW.GSLSVQC [SEQ ID NO:4]
35-L1	.....MWL LPALLLCLS GCL...SLKG PGSVT....G TAGDSLTVWC [SEQ ID NO:6]
35-L3	.....ML PSALLLICVP GCL...TVSG PSTVM....G AVGESLSVQC [SEQ ID NO:10]

Figure 2

51 35-L5 35-L2 35-L4 CMRF-35A CMRF-35H 35-L1 35-L3	<pre> VYRSGWETYL KWWCRGAIWR DCKILVKTSG SEQEVKDRV SIKDNQKINT [SEQ ID NO:14] AYGSGWETYL KWRCQGADWN YCNILVKTNG SEQEVKNRV SIRDNQKNHV [SEQ ID NO:8] HYKQGWETYL KWWCRGVWRD TCKILIETRG SEQGEKSDRV SIKDNQKDRT [SEQ ID NO:12] RYEKEHRTLIN KEFWCRPPQIL RCDKIVETKG SAG.KRNGRV SIRDSPANLS [SEQ ID NO:2] PYEKEHRTLIN KYWCRRPPQIF LCDKIVETKG SAG.KRNGRV SIRDSPANLS [SEQ ID NO:4] QYESMYKGYN KYWCRRGQYDT SCESIVETKG EEKVERNGRV SIRDHPEALA [SEQ ID NO:6] RYEDKYKTFN KYWCRCQPCLP IWHEMMETGG SEGVVRSDQV ITDHPGDLT [SEQ ID NO:10] </pre>	100
35-L5 35-L2 35-L4 CMRF-35A CMRF-35H 35-L1 35-L3	<pre> FTVTMEDLMK TDADTYWCGI EKT..... GNDLGTVV QVTIDPA... FTVTMENLKR DDADSYWCGT ERP..... GIDLGVKV QVTINPAQCL FTVTMEGLRR DDADVYWCGI ERR..... GDPDGTQV KVIVDPEGAA FTVTLENLTE EDAGTYWCGV DTPWLRD... FHDPIVEV EVSVFPAGTT FTVTLENLTE EDAGTYWCGV DTPWLRD... FHDPVVEV EVSVFPASTS FTVTMQNLINE DDAGSYWCKI QTIVWLDWS .RDPSDLV RVYVSPAITT FTVTLENLTA DDAGKYRCGI ATILQEDGLS GFLPDPEFQV QVLVSSASST </pre>	101 150
35-L5 35-L2 35-L4 CMRF-35A CMRF-35H 35-L1 35-L3	<pre> PVTQE..... ETSSSPTLT GHHLDRNRHKL SLLPTDDRMV VPVSAH..... RPKGPPSLV TRDPNPQCQL S TTASSP.... TNSNMAVFI GSHKRNHYML TASSPOSSMG TSGPPTKLPV HTWPSVT RKSPEPSPH PGSLFSNVRF MTPASITAAK TSTITTAFFP VSSTTLEAVG ATHSASIQQEE TEEVVNSQLP .....P RRTTHPATPP IFLVNNPGRN LSTREVLTON SGFRLLSSPHF .....E NSVKTTPASP. TRPSQCQG S..LPSSTCF </pre>	151 200
35-L5 35-L2 35-L4 CMRF-35A CMRF-35H 35-L1 35-L3		

Figure 2 (continued)

201	35-L5	LKLSVLLPLI FTLLLLLVA ASLLAWRMMK YQQKGERTTWV LQPLEGDLCY	[SEQ ID NO:14]
	35-L2	LGTSL.....	[SEQ ID NO: 8]
	35-L4	L VVF KVPILLILVT AILWLKGSOR VPEEPGEQPI YMNFSEPLTK	[SEQ ID NO:12]
	CMRF-35A	LLLVLEPLI LL....SMLG AVLWVNRPQR S.....SRSR QNWPKGENQ*	[SEQ ID NO:2]
	CMRF-35H	LLLSLLALLL LLLVGASILLA WRMFQKWIKW IKAGDHSELS QNPQAAATQS	[SEQ ID NO:4]
	35-L1	LLVVLLKLPLI LL....SMLG AVFWVNRPQW APPGR*	[SEQ ID NO:6]
	35-L3	LLPLLKVPPLI LL....SILG AILWVNRPWR TPWTES*	[SEQ ID NO:10]
250			
251	35-L5	ADLTQLLAGT SPQKATTKLS SAQVDQVEVE YVTMASLKPKE DISYASLTIG	300
	35-L2	.....	.....
	35-L4	DMAT*	.....
	CMRF-35A	.....	.....
	CMRF-35H	ELHYANLELL MWPLQEKPAP PREVEVEYST WASPREELHY ASVVFDSENTN	.....
	35-L1	.....	.....
	35-L3	.....	.....
301			
336	35-L5	AEDQEPTYCN MGHLSSHLPG RGPEEPTEYS TISRP*	
	35-L2	.....	.....
	35-L4	.....	.....
	CMRF-35A-protein	.....	.....
	CMRF-35H-protein	RIAAQRPREE EPDSDYSVIR KT*	.....
	35-L1	.....	.....
	35-L3	.....	.....

Figure 2 (continued)

Cells	35-L1	35-L2	35-L3	35-L4	35-L5
CD3 T lymphocytes	-	?	-	-	-
CD19 B lymphocytes	-	?	+	+	+
CD15 Granulocytes	-	?	-	-	-
CD16 NK cells	-	?	-	+	+
CD14 Monocytes	+	-	?	+	+
Lin- DC	-	-	?	+	+
CD11c+ Myeloid DC	-	?	ND	ND	ND
CD11c- Lymphoid DC	-	-	?	ND	ND
MoDC	-	-	?	+	+
MoDC + LPS	-	-	?	+	+
PBMC	+	-	?	+	+

Figure 3

	35-L1	35-L2	35-L3	35-L4	35-L5
Jurkat	-	?	-	-	-
HSB	-	?	-	+	-
Molt4	-	?	-	-	-
Daudi	-	?	+	+	+/-
Raji	-	?	+	-	?
Mann	-	?	-/+	+	-
Wt49	-	?	+	+	-
KG1	-	?	-	-	-
HeI	-	?	+	+	+
HL60	-	?	+	+	+

Figure 3(continued)

	35-L1	35-L2	35-L3	35-L4	35-L5
NB4	-	?	-	-	-
Thp1	-	?	-	-	-
Monomac6	-	?	=	+	+
U937	+	-	-	-	-
K562	-	?	?	-	-
L428	-	?	?	-	-
HDLM-2	-	-	?	-	-
KM-H2	-	-	?	-	-

Figure 3(continued)

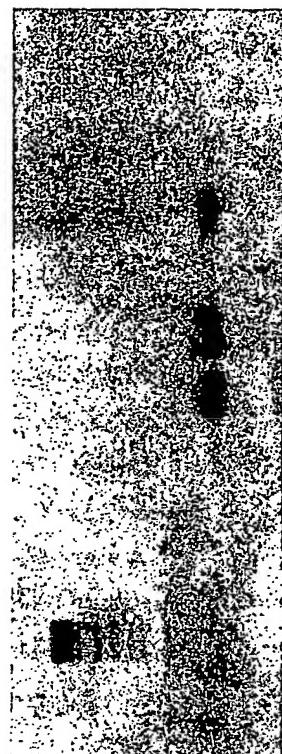


Figure 4

PileUp of: @/home/mmr00/Georgina/.WAG/pileup-16229.16245

Symbol comparison table: GenRunData:pileupdna cmp CompCheck: 6876

GapWeight: 5.000
GapLengthWeight: 0.300

pileup.msf MSF: 2554 Type: N September 6, 19102 14:32 Check: 8705 ..

Name:	m35-hRNA	Len:	2554	Check:	4672	Weight:	1.00
Name:	m35ge-RNA	Len:	2554	Check:	5363	Weight:	1.00
Name:	m35-dtRNA	Len:	2554	Check:	3690	Weight:	1.00
Name:	m35-fRNA	Len:	2554	Check:	2914	Weight:	1.00
Name:	m35-aRNA	Len:	2554	Check:	1598	Weight:	1.00
Name:	m35c1tRNA	Len:	2554	Check:	468	Weight:	1.00

一一

1

5

	SEQ	ID	NO:	23]
m35-hrRNA
m35ge-rRNA	CGGGAAAG
m35-drRNA	TGGCTAAAGG
m35-fRNA	AGGAAGTGCC
m35-arRNA
m35c1rRNA

Figure 5

51	m35-hRNA	TGAGAGAAGT	GAACAAGAGA	GACCTAAAGG	CAACTCAAAGC	TGAGCTGCAG	[SEQ ID NO:23]
	m35ge-RNA	GAGTGAGGT	GAGGAAACC	ACAGGACCAG	GAGACGCAGG	AGTGGAGCAT	[SEQ ID NO:25]
	m35-dRNA	.....	.....	.....	.....	.....	[SEQ ID NO:19]
	m35-frRNA	GAGAACTTGA	ACAAGAAAGGT	GGTTCGCCTGG	GCTCTGTAC	ACACATCTGG	[SEQ ID NO:21]
	m35- <i>a</i> RNA	.....	.....	.....	.....	.....	[SEQ ID NO:15]
	m35c1RNA	.....	.....	.....	.....	.....	[SEQ ID NO:17]
100							
101	m35-hRNA	GTCCTCACAG	GGTCCTGACA	TCTGTCGTCA	ACAAGGACAT	GAGAGGAGAC	150
	m35ge-RNA	GTAGCCCTGTT	CTCGCTGGCA	GGCTCCACCA	AGGTGACCCG	GTGTGAGAAG	
	m35-dRNA	.....	.....	.....	.....	.....
	m35-frRNA	ATTCCAGCAG	CGACCTGGAG	TTTCTGGAG	ACAGTACCCA	GTGAG.GCAG	
	m35- <i>a</i> RNA	AAGCTCAGAA	GAGCTCCAA	TTGCAGGCAA	CTGCAGTGTCA	CAGCACCCAC	
	m35c1RNA	.....	.....	.....	.....	.....
151	m35-hRNA	GACCATGTGG	CAGTCTCTG	CTCTACTCCCT	ATTCTCCCT	CCAGGGCTGCT	200
	m35ge-RNA	ATGCCATTGTT	CATTGCT.GG	TCCCCCTTCT	CTTCTGGATC	ACAGGCTGCT	
	m35-dRNA	.....	ATGTGG	CTGTCGCCAG	CTTTCGTTCT	TCTCAGTTT	CCAGGGCTGCC
	m35-frRNA			GAGGATGAGG	CTATGTGCAG	TCTCTGCTCC	TCTCTGCTTC
	m35- <i>a</i> RNA			CATGAGGCCT	CTGGTCCTGC	TATGGGGCTG	CAAGGGTTAT.C
	m35c1RNA			GCTGCCACG	CTGTTGCTGC	TGCTGCTGCT	CCAGGGCTT.

Figure 5 (continued)

m35-hRNA m35ge-RNA m35-dRNA m35-fRNA m35-aRNA m35c1RNA	201 GCACGGCTCA GGATTCAAGTC ACAGGTCCAG AGGAGGTGAG CGGTCAAGGAG [SEQ ID NO:23] GCACGGCTGA GGATCCAGTC ACAGGTCCAG AGGAGGTGAG CGGTCAAGGAG [SEQ ID NO:25] TC..... TCCATC CAAGGCCAG CATTGGTGA GGGTCAGAG [SEQ ID NO:19] T..... GTCTCTG ACGGGCCCTG GCTCTGTGTC TGGCTACGTA [SEQ ID NO:21] GAAGCCCTG AAGGGTCCAA AGGAGATCAG TGGATTGAA [SEQ ID NO:15] GTCCCCCTG CATGGTCCCA GCACCATGAC AGGAAGTGTG [SEQ ID NO:17]	250
m35-hRNA m35ge-RNA m35-dRNA m35-fRNA m35-aRNA m35c1RNA	251 CAGGGCTCCT TGACAGTGCA GTGCAGATA TCCTCATACT GGAAGGGTTA CAGGGCTCCT TGACAGTGCA GTGCCGATAT ACCTCAGGCT GGAAGGATTA CAGGGTCAG TGACTGTGCA ATGTCGCTAT AGCTCAAGAT GCCAAACCAA GGAGGCTCTC TCCGTGTGCA GTGTCAATAT AGTCCATCAT ATAAGGGCTA GGTGACACCG TTGCCCCTGCG GTGTACCTAC GTGGAGAAGA TGAAGGAGCA GGTCAATCCC TGAGTGTGTC GTGTCAGTAT GAGGAGAAAT TTAAGACTAA	300
m35-hRNA m35ge-RNA m35-dRNA m35-fRNA m35-aRNA m35c1RNA	301 CAAGAACGTAC TGGTGCCG.. . AGGAGTTCC TCAGAGATCA TGTGATATT CAAGAACGTAC TGGTGCCA.. . AGGAGTTCC TCAGAGATCA TGTAAAGACTC CAAGAACGTGG TGGTGCCG.. . GGGAGCAAG CTGGAGCACT TGCAGGGTCC TATGAAATAC TGGTGCCG.. . AGGACCGCA TGACACGACG TGAAAACATA CAGGAAGTAT TGGTGCCGC AGGGTGGCAT CCTGGTGTCA CGCTGGGTG GGACAATAC TGGTGC. . . AGAGGGTC ACTTAAGGTA CTGTGCAAAG	350

Figure 5 (continued)

351	m35-hRNA	TTGTTGAAAC	CGATAAATCA	GAGCAGCCTGG	TGAAGAAGAA	CCGTGTGTCC	[SEQ ID NO:23]
	m35ge-RNA	TTGTTGAAAC	CGATGCATCA	GAGCAGCCTGG	TGAAGAAGAA	CCGTGTGTCC	[SEQ ID NO:25]
	m35-dRNA	TCATCCGATC	CACTGGGTCA	GAGAAAGAAA	CGAAGAGCGG	CCGGCTGTCC	[SEQ ID NO:19]
	m35-fRNA	TTGTTGAAAC	CGACGGAACT	GAGAAAGAAA	AGAGGAGTGG	CCCAGTGTCC	[SEQ ID NO:21]
	m35-aRNA	ACATTGTCTA	CGCAAATCAG	GACCAGGAGG	TGACTCCAGG	CAGGATGTCC	[SEQ ID NO:15]
	m35c1RNA	ATATTGTCAA	GACCAGCAGC	TCAGAAGAAG	CTAGGAGTGG	CAGAGTGTCC	[SEQ ID NO:17]
400	m35-hRNA	ATCAGGGACA	ACCAGAGAGA	CTTCATCTTC	ACAGTGACCA	TGGAGGATCT	
	m35ge-RNA	ATCAGGGACA	ACCAGAGAGA	CTTCATCTTC	ACAGTGACCA	TGGAGGATCT	
	m35-dRNA	ATCAGGGACA	ATCAGAAAAAA	TCACTCATTC	CAGGTTACCA	TGGAGGATGCT	
	m35-fRNA	ATCAGAGACC	ATGCTGCCAA	CTCCACCATC	ACAGTGATCA	TGGAGGACCT	
	m35-aRNA	ATCCGAGACA	GTCCCCAAGA	GCTCTCGATG	ACCGTGATCA	TGAGGGACCT	
	m35c1RNA	ATCAGGGACC	ATCCAGACAA	CCTCACCTTT	ACAGTGACCT	ATGAGAGCCT	
451	m35-hRNA	GAGGATGAGC	GATGCTGGCA	TTTACTGGTG	TGGAATTACG	AAAGGTGGAC	
	m35ge-RNA	GAGGATGAGC	GATGCTGGCA	TTTACTGGTG	TGGAATTACG	AAAGGTGCCAA	
	m35-dRNA	CAGGCAAAAT	GACACGGACA	CTTACTGGTG	TGGTATTGAA	AAGTTCGGAA	
	m35-fRNA	TAGCGAAGAC	GATGCTGGGT	CTTACTGGTG	CAAGATTACG	A.....	
	m35-aRNA	TACCCCTGAAG	GATTCAAGGA	AGTACTGGTG	TGGGATTGAC	AGACTGGGCC	
	m35c1RNA	CACCCCTGGAG	GATGCAGACA	CTTACATGTG	TGCCGGTGGAT	ATATCACTT	
500	m35-hRNA						
	m35ge-RNA						
	m35-dRNA						
	m35-fRNA						
	m35-aRNA						
	m35c1RNA						

Figure 5 (continued)

501	m35-hRNA m35ge-RNA m35-dRNA m35-fRNA m35-aRNA m35c1RNA	CTGATCCCAT GTTAAAGTT ATGTGACA ACCACCACCA AAAGTGAACG TCTACTCGG CACATATGCAG CCTTTATCTG GAGCTCCCGT CGATAAGTAC TTCAAGATTG AGTTGTCTGT	[SEQ ID NO:23] [SEQ ID NO:25] [SEQ ID NO:19] [SEQ ID NO:21] [SEQ ID NO:15] [SEQ ID NO:17]	550
551	m35-hRNA m35ge-RNA m35-dRNA m35-fRNA m35-aRNA m35c1RNA	TCAAATGATG. ACCA CCACAGCCAC A. GTTCTGAA ATCCATACAA GTAAGAGAG. ACCA GC A. TGTTCCA ACGCTGACTA ACCTTCTTC. AGTT CAGCAGCCAC ACTGACTCCT GAGAGGGCAG GGATTCTGT. GTCA CGTGATCCAT CGGTCAAGCGT AAGGGTGAAT CCAGTCGTCT GGCTGCCCT TACCACCCA CAGGACTCCA GGGCTGTAGC GGTTCCAAGT GAGGACCCAG GACCAACACT AGAGACACCT GTGGTGTCCA		600
601	m35-hRNA m35ge-RNA m35-dRNA m35-fRNA m35-aRNA m35c1RNA	CCAAGCGCTG AGAACACTGG CAAGGAACAA GTGACTCAGA GCAAAGAAGT GCTACTACTC TGATAACGGG CATGGCGGT GTGACAGTGG CGGTGGTGAA CAGAGATGTG GGATAAGATA CCATGTCGAC TTCTAAATCAA CTTCCCTGGC GTTTCCAG TGAATTCTGG GCAAGACCTG AGGATTAGTA CTAATGTGAT CAGCAGTGTCA TCCAAGCCCAGTGTGTCCAT CCCGATGGTC CGCATGATGG C. . . . CAGTC TGCCCTACCA GGGTCCGCC CTAGGATCCA ACACAGAGGA		650

Figure 5 (continued)

651	m35-hRNA	GA CTCAGAGC	AGGCCACAC	CCAGGTCCCT	GCTGAGCAGC	ATCTACTTCC	[SEQ ID NO:23]
	m35ge-RNA	GATGGCGTCG	GTGATGGTT	TCTGGATCTC	AGTGTGCTCC	TCCCAGTCAT	[SEQ ID NO:25]
	m35-dRNA	CCACTGTGGA	GGCAGTA CA	GACATGGTGT	CTTCTGACTT	GCAGAAAGGG	[SEQ ID NO:19]
	m35-fRNA	.....GTTC	ATCTTCCAA C	TGTGGTCCCT	GCTCAGCAGC	ATCCAGTTCC	[SEQ ID NO:21]
	m35-aRNA	CCCCAGTCCT	GAT.ACTCTT	GTCCCTGCTG	TTGGCTGCAG	GACTAATTGC	[SEQ ID NO:15]
	m35c1RNA	CGGCCGTGAG	CATGACTATT	CCCAGGGCTT	GAGGCTCCCA	GCGCTGTTGT	[SEQ ID NO:17]
700	m35-hRNA	TGCTGATGGT	CTTGTTGGAG	TTACCCCTGC	TCCTGA.	... . . . .	GCATGCTC
	m35ge-RNA	CTCTGCAG..	.. TCCCTGTTG	CTTCTCCCTGT	TGGTGG.	... . . . .	.CCTCCGCTC
	m35-dRNA	ACTTGAAGCC	AGTCTAGTTG	GGCCCTTGT	GGGTGGGCTG	ATGCAAGTTC	
	m35-fRNA	AGGTCCCTGGT	CTTCCTGAAG	CTGCCTCTGT	TTCTGA.	... . . . .	GCATGCTC
	m35-aRNA	CTTGGCAG.	... . CCACATG	CTCCGGTGA	GAAAGAAAGC	TGGCTGGCC	
	m35c1RNA	CTGTGTTAGC	TCTCCTGCTG	TTTCTGTTGG	TTGGGACCTC	TCTGCTGGCC	
750	m35-hRNA	TGCTGATGGT	CTTGTTGGAG	TTACCCCTGC	TCCTGA.	... . . . .	GCATGCTC
	m35ge-RNA	CTCTGCAG..	.. TCCCTGTTG	CTTCTCCCTGT	TGGTGG.	... . . . .	.CCTCCGCTC
	m35-dRNA	ACTTGAAGCC	AGTCTAGTTG	GGCCCTTGT	GGGTGGGCTG	ATGCAAGTTC	
	m35-fRNA	AGGTCCCTGGT	CTTCCTGAAG	CTGCCTCTGT	TTCTGA.	... . . . .	GCATGCTC
	m35-aRNA	CTTGGCAG.	... . CCACATG	CTCCGGTGA	GAAAGAAAGC	TGGCTGGCC	
	m35c1RNA	CTGTGTTAGC	TCTCCTGCTG	TTTCTGTTGG	TTGGGACCTC	TCTGCTGGCC	
800	m35-hRNA	AGTGCTGTCC	TCTGGGTGAC	CAGGCCTCAG	AGATGCTTTC	GGAGAGGTGA	
	m35ge-RNA	TTTGCTTGGA	GGATGGTGGAG	GAGACAGAAAG	A.....	.....	.AAGACCTGT
	m35-dRNA	CTTCCTGTC	TCTGGCCGTC	GCACATCTTA	CCTTCGTGCT	AACACTGACT	
	m35-fRNA	TGTGCTATCT	TCTGGGTGAA	CAGACTTAG	GGGGTTCTGT	GGGGCAATGT	
	m35-aRNA	ACAGAGACAC	AGAAGAACGA	GAAGGTCTAC	CTTGAAACCT	CGCTGCCAGG	
	m35c1RNA	TGGAGGATGT	TCCAGAACCG	GCTGGTCAA.	.....	.....	AGCTGATAAGG

Figure 5 (continued)

m35-hRNA	AAATGACCTG	GTGAAGACCC	ATAGTCTGT	TGCCCTAGGAT	AGAGAGAAC	[SEQ ID NO:23]
m35ge-RNA	CCCTGAAGCA	GCCCAGAAC	TCCCCTGGCT	CCTCTTGGAA	AAAGGGCTCC	[SEQ ID NO:25]
m35-dRNA	CCTCCTAGT	CCCAGGAAGC	ACACAGCACA	CCGTCACTAC	ACTCAGCCCC	[SEQ ID NO:19]
m35-fRNA	AGAGTGACCC	ATCCAAAGAAC	TATGAAGTGA	AGCATCCCA.	GGATGCCCT	[SEQ ID NO:21]
m35- α RNA	GAACGGCTGG	ACCACTGAAG	ACTCGACGAT	AGACCTTGCA	GTGACTCCCTG	[SEQ ID NO:15]
m35c1RNA	CATCCAGAGC	TGTCCCCAGAA	CCTCAGACAG	GCTTCTGAGC	AGAATGAGTG	[SEQ ID NO:17]
801						
m35-hRNA	AGTTCCCAAG	AAATGGAAA	TAATCTCTGT	CTCTCTGTG	TCTCTGTCTC	
m35ge-RNA	TCCATGTCCCT	CCTCTGGCAA	GGACCACCAA	GAGGAAGTGG	AATATGTCA	
m35-dRNA	AGTGGCTTCC	AAGGAAGAGA	TGAACCGGTCT	CTTCTAA..	.. .. .. .. ..
m35-fRNA	GGGAGGAACT	CAGTCCTGCA	TGCAGACTGG	ACTTCATTGT	TCTGTGTCTC	
m35- α RNA	AATGTCAG	AAACCTCAAC	CCTTCTGCTG	TGCCCTCTCC	TGAGACACAG	
m35c1RNA	CCAGTATGTG	AATTGCGACG	TGCACACGTG	GTCCTCTGAGG	GAAGAGCCGG	
851						
m35-hRNA	.. TGTCTCTG	GGGGTATGT	ATGTGTGTGC	ATGCACCTTG	CCGGGGCAGA	
m35ge-RNA	CATGGCTCCC	TTTCCCAGGG	AGGAGGTTTC	ATATGCCGCT	CTGACTTTGG	
m35-dRNA	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..
m35-fRNA	A.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..
m35- α RNA	AAC.. .. CTCAG	TCAGTCTACA	GAGGAGGAAG	AGGCAGCTCG	TTCCCTGGAC	
m35c1RNA	TGCTACCAAG	TCAGGTAGAA	GTGGTGAAT	ATAGCACAT	GGCATTACCC	
901						
m35-hRNA	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..
m35ge-RNA	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..
m35-dRNA	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..
m35-fRNA	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..
m35- α RNA	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..
m35c1RNA	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..
950						

Figure 5 (continued)

951	TGTGTATGTG GGAGACATCT ACTGGAAATCA TTCCCTTAGT ATCTGAGACA CCGGCTTGGG TCAGGAGCCT ACTTATGGCA ATACTGGCTG CCCCATCACC [SEQ ID NO:23] m35ge-RNA m35-dRNA m35-fRNA m35-aRNA m35c1RNA	1000 [SEQ ID NO:25] [SEQ ID NO:19] [SEQ ID NO:21] [SEQ ID NO:15] [SEQ ID NO:17]
1001	m35-hRNA GGGTTTCTAA TGACCAGCA CCTTTGTGTG GTAGGTCAGA CAGCTGCCA m35ge-RNA CATGTC... CCAGGACAG GCCTTGAAGA GGAGACACAGA GAGTACAGCA m35-dRNA m35-fRNA m35-aRNA m35c1RNA	1050 m35-hRNA GGAACGGCC TTCTCTGAGT TCATCTCTGT GTAATTGCAG AATGCCCGT m35ge-RNA AGGATTCTCA CGCCAATGGA GATTCTCTTC ATCAACCTCA GGACCAGAAA
1051	m35-hRNA GGAACCTCCA GGGATCTCCC TGCCTCTAAC C ATCCATCCTG AGATTGCAAG m35ge-RNA GCATCAGGAG GCCCTTGCCCT GCAGCCATGC CTTAATCTTG GTCTCTGAAG m35-dRNA m35-fRNA m35-aRNA m35c1RNA	1100 m35-hRNA GGTGGCCAG GGATTGTGAA GCTGAACAGC TGAGTTCTCA TGAATTCTTG m35ge-RNA GCAGAGTACA GTGAGATCCA GAAGCCCCAGA AAAGGACTCT CTGACCTTA

Figure 5 (continued)

1101	m35-hRNA	CATACCGAG	TGCCCTAGCT	TAAAACAAA	CAAACAAACA	AACACCTAG	[SEQ ID NO:23]
	m35ge-RNA	GCGCCTTGG	GCATGGATCT	TTACATCTGC	CTCTGTACCT	GCTTCCTTAC	[SEQ ID NO:25]
	m35-dRNA	.......	.......	.......	.......	.......	.......
	m35-fRNA	.......	.......	.......	.......	.......	.......
	m35- ^a tRNA	GGTCTACTC	ACAGTCCACG	GCTCTGTCCA	CCTTCCTTCC	GGCTCTCTTT	[SEQ ID NO:15]
	m35c1RNA	CCTGTGACTC	CTTGTACCT	GATCCTCTCA	GTGGTGACTA	CCAGGTTCCA	[SEQ ID NO:17]
1151	m35-hRNA	GTTG.....	TAGGGATTGA	ACTCATGTCC	TTGTACCTGC	AAGGAAGGTA	1200
	m35ge-RNA	CCGGCCCCAGC	TGGTGAETGG	AACTCTGTCC	ATCCGTCTCT	CATGGCCATC	
	m35-dRNA	.......	.......	.......	.......	.......	.......
	m35-fRNA	.......	.......	.......	.......	.......	.......
	m35- ^a tRNA	CATGCCCAAG	ATGGAGAACG	GTCTTGGTCC	CTGAAGCCCCG	GATGGTACTT	
	m35c1RNA	AGGCTCCCCCTG	CTGGCTGGCTG	CCCTCAATGT	CATGAGCCTC	AGTGGCTTCA	
1201	m35-hRNA	GGCGATTAC	CTGCTGAGCC	ATCTCCCCAA	TCTGGAGAAG	ACTCAAATCTA	1250
	m35ge-RNA	AGCTCTACCT	TGCTTGAGCT	TGGAGTTCAA	CCTCAGGGG	TTCCAGGGAA	
	m35-dRNA	.......	.......	.......	.......	.......	.......
	m35-fRNA	.......	.......	.......	.......	.......	.......
	m35- ^a tRNA	AACAAGTCCA	GCCAGAGGCT	GGAACCTTCC	CGCATATTCT	AATCCCCTGGG	
	m35c1RNA	CTAAAGATGA	GCAGGAGCCA	GGGCTCTGTG	GGCACAGTCT	CATCCCCACTG	

Figure 5 (continued)

1251	GTAAGAAACA TTAAGGCTCC	ACTCATCAGC TTCCACATCC	AGTACCATTGG CCACTTATAG	CTCTGATGTG CCAATGTACC	CTGCACAAACC TTGGAAGGTA	[SEQ ID NO:23] [SEQ ID NO:25]
m35ge-rRNA	...	...	...	...	...	[SEQ ID NO:19]
m35-dRNA	...	...	...	...	...	[SEQ ID NO:21]
m35-fRNA	...	...	...	...	...	[SEQ ID NO:15]
m35-aRNA	AAGAGTTAAC	GGGTGTGG	GCCTTCATCG	GGGCCTGGCC	AGGCTCCATG	[SEQ ID NO:17]
m35c1RNA	GCTCTCTCCT	CTTAGCCCTG	...	...	...	...
1300						
1301	AGACTCAGAC CCAGGCAGGC	TAATCCACT TGCTTCAGGG	CCTATAGCAG ATGCTGTGTA	GGACAGCTGA AATCGTATCA	GTTCTGGAAC ACGATGACAA	1350
m35-hRNA	...	...	...	...	...	...
m35ge-rRNA	...	...	...	...	...	...
m35-dRNA	...	...	...	...	...	...
m35-fRNA	...	...	...	...	...	...
m35-aRNA	GATAAAAGGCT	GAGTTGTGT	GGGTTCAGG	AAATTCCCTG	GGCATGGATG	...
m35c1RNA	...	...	...	...	...	...
1351	CCATTCAATGT TAATAGCAAT	GCCCCCTCTCT CAACCTTAT	CAGGACATCC TTAT	TGCAATAACCT ...	ATCTGGGGCT ...	1400
m35-hRNA	...	...	...	...	...	...
m35ge-rRNA	...	...	...	...	...	...
m35-dRNA	...	...	...	...	...	...
m35-fRNA	...	...	...	...	...	...
m35-aRNA	TCCAGCAACA	GTCCCCACCTC	CCATCCTCGG	AAGATCCAC	CTTCACCTCC	...
m35c1RNA	...	...	...	...	...	...

Figure 5 (continued)

	1401	m35-hRNA	ATCTTCCACT	GATGACTTCC	AAAGAAGAAA	ATACAAGAAA	ACATCACATT	[SEQ ID NO:23]
		m35ge-RNA	.....	.....	.....	.....	.....	[SEQ ID NO:25]
		m35-dRNA	.....	.....	.....	.....	.....	[SEQ ID NO:19]
		m35-fRNA	.....	.....	.....	.....	.....	[SEQ ID NO:21]
		m35-aRNA	CTCTTAATTCT	TCTGCATCAA	TTGCTATGGA	GGAGACAAACA	TATGTGTGTC	[SEQ ID NO:15]
		m35c1RNA	.....	.....	.....	.....	.....	[SEQ ID NO:17]
	1450							
	1451	m35-hRNA	TCTTCTTAGT	GTACTAGTTC	CTTAGAGGAC	ACATGCCAAT	ATAAGACTGC	1500
		m35ge-RNA	.....	.....	.....	.....	.....	.....
		m35-dRNA	.....	.....	.....	.....	.....	.....
		m35-fRNA	.....	.....	.....	.....	.....	.....
		m35-aRNA	TATGAAACAC	CTGCATCCTG	GCCTCTTAGA	AAATAATTAA	AACAAAATTTC	.....
		m35c1RNA	.....	.....	.....	.....	.....	.....
	1501							
	1550	m35-hRNA	GGGCCACCAAG	CCAGTTGATT	GACCAAATAT	CTCGGTGATG	TGGCCTCACC	
		m35ge-RNA	.....	.....	.....	.....	.....
		m35-dRNA	.....	.....	.....	.....	.....
		m35-fRNA	.....	.....	.....	.....	.....
		m35-aRNA	TGCAGACCCA	TCAAAGACTCA	CCAAACCATC	TCTAGGGCAG	GGCCTGGGAC	
		m35c1RNA	.....	.....	.....	.....	.....

Figure 5 (continued)

1551	AAGTAGGATA AAGTTTGCCA CTGTACACT AGCTATCTGT CCCTTATTGG	[SEQ ID NO:23]	1600
m35ge-hRNA	.....	[SEQ ID NO:25]	.....
m35ge-dRNA	.....	[SEQ ID NO:19]	.....
m35ge-fRNA	.....	[SEQ ID NO:21]	.....
m35ge-aRNA	TCCACAGTTC TGACAAGTGA CCTGCCATT CCTACCCTG GGTCTGATGA	[SEQ ID NO:15]	.....
m35ge-c1RNA	.....	[SEQ ID NO:17]	.....
1601	CAGGACACAC CCTGCTTCT TTTTCTCAA CACAGCCCAG TGACTAAGCC	1650	.....
m35ge-hRNA	.....	.....	.....
m35ge-dRNA	.....	.....	.....
m35ge-fRNA	.....	.....	.....
m35ge-aRNA	ATCCTCAGCC CATTAGCT AGAATCTTCC TTCCTCCCT CCTTCCTTCC	.....	.....
m35ge-c1RNA	.....	.....	.....
1651	CATTGAAAC CCAGATGGAG TAGTTGACCT AAGCTTGTAA GCACCTGCTC	1700	.....
m35ge-hRNA	.....	.....	.....
m35ge-dRNA	.....	.....	.....
m35ge-fRNA	.....	.....	.....
m35ge-aRNA	TTCCCTCCCT CCTCCCTTCC TTCCCTCCCT TTCCCTCCCT	TCCTTCCTT	.....
m35ge-c1RNA	.....	.....	.....

Figure 5 (continued)

1701	m35-hRNA m35ge-RNA m35-dRNA m35-fRNA m35-aRNA m35c1RNA	AGGTCTTCAA	GTAGTAGTTA	AGCCTGGTC	CCTGAAATCT	AGATTGCTCA	[SEQ ID NO:23] [SEQ ID NO:25] [SEQ ID NO:19] [SEQ ID NO:21] [SEQ ID NO:15] [SEQ ID NO:17]
1750							
1751	m35-hRNA m35ge-RNA m35-dRNA m35-fRNA m35-aRNA m35c1RNA	GTGAGACCAA	ATGGGGAGGT	CAACTGCAGG	AATCAGCTGA	TCTCACAGGA	1800
1801	m35-hRNA m35ge-RNA m35-dRNA m35-fRNA m35-aRNA m35c1RNA	GTCACGAACC	CACATCACCC	CCAACCCTT	CCAGGAATGG	TCTCTTCACC	1850

Figure 5 (continued)

	1851	AGGCCCTTCC ACTCTCTCCC TTTTACTCAG ACAAATCTAT TGAATGTCTA	1900
m35-hRNA	.....	.....	[SEQ ID NO:23]
m35ge-RNA	.....	.....	[SEQ ID NO:25]
m35-dRNA	.....	.....	[SEQ ID NO:19]
m35-fRNA	.....	.....	[SEQ ID NO:21]
m35-aRNA	CAGCCAGGGA	TCAGCTGTCT CTCCCATCCTC	[SEQ ID NO:15]
m35c1RNA	.....	.....	[SEQ ID NO:17]
	1901	AGTAGTTATC ACTCTCCACA TACATGCTCC AAAATAAGAC AGACCCATT	1950
m35-hRNA	.....	.....	.....
m35ge-RNA	.....	.....	.....
m35-dRNA	.....	.....	.....
m35-fRNA	.....	.....	.....
m35-aRNA	CCTTGCTTGT	GTAAGGACACT GGAGGAAGTC	[SEQ ID NO:16]
m35c1RNA	.....	.....	.....
	1951	AAAGTCCATA GAGAAGGCCA ATGGGATCAA AGGTAAATAC TCAGGGAAA	2000
m35-hRNA	.....	.....	.....
m35ge-RNA	.....	.....	.....
m35-dRNA	.....	.....	.....
m35-fRNA	.....	.....	.....
m35-aRNA	AGTGGTTACT CCTCCATGGG	GTCTGGAGGC	[SEQ ID NO:17]
m35c1RNA	.....	.....	.....

Figure 5 (continued)

2001	TGAGTAGTCT CAGCCCCACCA GTCTCAGACCA TCCTGAGTTC TGACCACATGA	2050
m35-hRNA	.....	[SEQ ID NO:23]
m35ge-RNA	.....	[SEQ ID NO:25]
m35-dRNA	.....	[SEQ ID NO:19]
m35-fRNA	.....	[SEQ ID NO:21]
m35-aRNA	AGGATAACCAG AGTGGGAAGG GGGCGGGGA AACAGAAAGAC ACTAGACTCT	[SEQ ID NO:15]
m35c1RNA	.....	[SEQ ID NO:17]
2051	CACAGTCCTTC TTCTTGAGTG GGGCTCTGAC ACCCACAGCC AAATTACCAA	2100
m35-hRNA	.....	.....
m35ge-RNA	.....	.....
m35-dRNA	.....	.....
m35-fRNA	.....	.....
m35-aRNA	AGTTACTAGA GGAGAAATACT AAATCCAGTA CTGTTGAGTG AGGGAAAGAT	.....
m35c1RNA	.....	.....
2101	CTAACATGGG TGTCTCCAA CTTTGTGGAA GAAGAGTCCC CAGGGTAGCA	2150
m35-hRNA	.....	.....
m35ge-RNA	.....	.....
m35-dRNA	.....	.....
m35-fRNA	.....	.....
m35-aRNA	GGACTGGCTC AACTATTTT TTTCCTTTT CTATTTGTT TTGAAAAGTA	.....
m35c1RNA	.....	.....

Figure 5 (continued)

2151	m35-hRNA	TCTTCTCAGT	GATGACATGT	GTGGACTCT	AGTGAGCTTG	CCTCTTGTAA	[SEQ ID NO:23]
	m35ge-RNA	.....	.....	.....	.....	.....	[SEQ ID NO:25]
	m35-dRNA	.....	.....	.....	.....	.....	[SEQ ID NO:19]
	m35-fRNA	.....	.....	.....	.....	.....	[SEQ ID NO:21]
	m35-aRNA	AGATGTTGGG	AAGGGAGGGT	TTCAGAATA	AAAACAGAAA	TGTAGGGAGA	[SEQ ID NO:15]
	m35c1RNA	.....	.....	.....	.....	.....	[SEQ ID NO:17]
2200							
2201	m35-hRNA	AGAGGATGGT	TTTCATTTCGC	TTCAGGGGTA	TACCTGCCAG	TCAGTCAGCC	2250
	m35ge-RNA	.....	.....	.....	.....	.....	.....
	m35-dRNA	.....	.....	.....	.....	.....	.....
	m35-fRNA	.....	.....	.....	.....	.....	.....
	m35-aRNA	ATACAAAAGA	AGTGCTGTTT	CTAGGATCAT	ATATAACCTC	ACCAAAACCTT	
	m35c1RNA	.....	.....	.....	.....	.....	.....
2251							
	m35-hRNA	ACATTCCCCAC	TCATGCTCAG	ACCAACATC	ATGGTTAAC	TCTGTGGGAC	2300
	m35ge-RNA	.....	.....	.....	.....	.....	.....
	m35-dRNA	.....	.....	.....	.....	.....	.....
	m35-fRNA	.....	.....	.....	.....	.....	.....
	m35-aRNA	GTGACGGCT	CTGCCTGAGC	TTGCAGGACC	CCCCTCCCTT	CCCCCTCCCT	
	m35c1RNA	.....	.....	.....	.....	.....	.....

Figure 5 (continued)

2301	m35-hRNA	ACACACAC ACACACAC ACACACAC ACACACAC GACATATAAT [SEQ ID NO:23]
	m35ge-RNA	.....
	m35-dRNA	.....
	m35-fRNA	.....
	m35-aRNA	.....
	m35c1RNA	.....
2350	m35-hRNA	.....
	m35ge-RNA	.....
	m35-dRNA	.....
	m35-fRNA	.....
	m35-aRNA	.....
	m35c1RNA	.....
2351	m35-hRNA	CAGGAGGG ACTCATTAGA GCCTGTAGGT CAGGCAGTGG TAGCACATGC [SEQ ID NO:24]
	m35ge-RNA	.....
	m35-dRNA	.....
	m35-fRNA	.....
	m35-aRNA	.....
	m35c1RNA	.....
2400	m35-hRNA	.....
	m35ge-RNA	.....
	m35-dRNA	.....
	m35-fRNA	.....
	m35-aRNA	.....
	m35c1RNA	.....
2401	m35-hRNA	CTTTAATCTC AACACTCAGG AGGCAGGGC AGGTGGATT CTGAGTTCTA [SEQ ID NO:25]
	m35ge-RNA	.....
	m35-dRNA	.....
	m35-fRNA	.....
	m35-aRNA	.....
	m35c1RNA	.....

Figure 5 (continued)

		2451	GGTCAGTCTG CTTTACAGAG TGAGTTCTAG GACTACACAG AGAAATCCAA	[SEQ ID NO:23]
m35-hRNA	.....		.....	[SEQ ID NO:25]
m35ge-RNA	.....		.....	[SEQ ID NO:19]
m35-dRNA	.....		.....	[SEQ ID NO:21]
m35-fRNA	.....		.....	[SEQ ID NO:15]
m35-aRNA	.....		.....	[SEQ ID NO:17]
		2500		
m35-hRNA	AAAAACAAGG CTACACAGAG AAACCATGTC CTGGGGTAAA AAAGAAAAAG	2501		2550
m35ge-RNA	.....		.....
m35-dRNA	.....		.....
m35-fRNA	.....		.....
m35-aRNA	.....		.....
m35c1RNA	.....		.....
		2551		
m35-hRNA	AAAAA			
m35ge-RNA	....		
m35-dRNA	....		
m35-fRNA	....		
m35-aRNA	....		
m35c1RNA	....		

Figure 5 (continued)

Figure 6

151	<p>m35eIg-aa</p> <p>m35h-aa MMTTTATVLK SIQPSA.ENT GKEQVTQSKE VTQSRPHTRS LLISSIYFLL. [SEQ ID NO:27]</p> <p>m35ge-aa KETSMFPTLT SYYSDN.GHG GDGGGEDG VGDGFLLSV LLPVISAVL. [SEQ ID NO:26]</p> <p>m35f-aa NLRISTNVMF IF.</p> <p>m35d-aa FESSAAITLTP ERAAEMWVKI PCRLLINFPG PLWTAVQTWC LLTCRRGLEA[SEQ ID NO:20]</p> <p>m35c-aa PTLETPVVST SLPTKGPALG SNTEDREHD YSQG.LRLPA LLSVVLALLF[SEQ ID NO:18]</p> <p>m35a-aa VVWLPLTT. PQ DSRAVASSVS KPSVSIIPMVR MMAPVLLLS[SEQ ID NO:16]</p>	200
201	<p>m35eIg-aa</p> <p>m35h-aa .MVFVELPLL LSM.</p> <p>m35ge-aa .LLLLVDSL FAWRMVRQRQK KDLISLKQPRT SPGSSWWKGS SMSSSGKDHQ</p> <p>m35f-aa .LVFLKLPLF LSMILCAIFFWV NRL*</p> <p>m35d-aa SLVGAFVGGL MQVPSCSLAV AIFTFVLTLT PPSSQEAHST PSSHSAVAS</p> <p>m35c-aa LLVGTSLIAW RMFQKRLVKA DRHPELSQNL RQASEQNECQ YVNQLQLHTWS</p> <p>m35a-aa LLLAAGLIAF GSHMLRWKK AWLATETQKN EKVYLETSLP GNGWTTEDST</p>	250
251	<p>m35eIg-aa</p> <p>m35h-aa A.</p> <p>m35ge-aa EEVEYVTMAP FPREEVSYAA LTLAGLGQEP TYGNTGCPII HVPRTEEE</p> <p>m35f-aa</p> <p>m35d-aa KEEMNRLF*.</p> <p>m35c-aa LREEPVLPSSQ VEVVEYSTLA LPQEELHYSS VAFNSQRQDS HANGDSLHQP</p> <p>m35a-aa IDIAVTPECI RNINPSAVPS PETQNLSSQST EEEEAAERSLD DDKEDVIMAPP</p>	300

Figure 6 (continued)

	301	323
m35eIg-aa	.....	..... [SEQ ID NO:27]
m35h-aa	.....	..... [SEQ ID NO:24]
m35ge-aa	TTEYSSIRR P LPAAMP*	..... [SEQ ID NO:26]
m35f-aa	.....	..... [SEQ ID NO:22]
m35d-aa	.....	..... [SEQ ID NO:22]
m35c-aa	QDQKRAEYSEI	QKPRKGSDL YL* [SEQ ID NO:18]
m35a-aa	PLQMSAEEELA	FSEFISV* .. . [SEQ ID NO:16]

Figure 6 (continued)

	Spleen	Thymus, Nec.	Lymph Node	Kidney	Liver	Hear	Skin	Bone Marrow	Testis	Tympo- sis	macro- phase	mono/ma- cro	B cell	T cell	
										ELA	RAW	J774	P815	CD11b (Mo)	CD45R
m35a	BALB/c mouse 2	+	+	+	+	+	+	+	-	+++	+++	+++	+++	+++	+++
m35c	BALB/c cell lines mouse 2	+++	+++	+++	+++	+++	+++	+++	-	---	---	---	---	---	---
m35d	BALB/c mouse 2								-	---	---	---	---	---	---
m35e	BALB/c mouse 2	+	+	+	+	+	+	+	-	+++	+++	+++	+++	+++	+++
m35f	BALB/c mouse 2	++	--	--	--	--	--	--	-	+++	+++	---	---	---	---
m35g	BALB/c mouse 2	+	+	+	+	+	+	-	---	---	---	---	---	---	---
	cell lines														

Figure 7

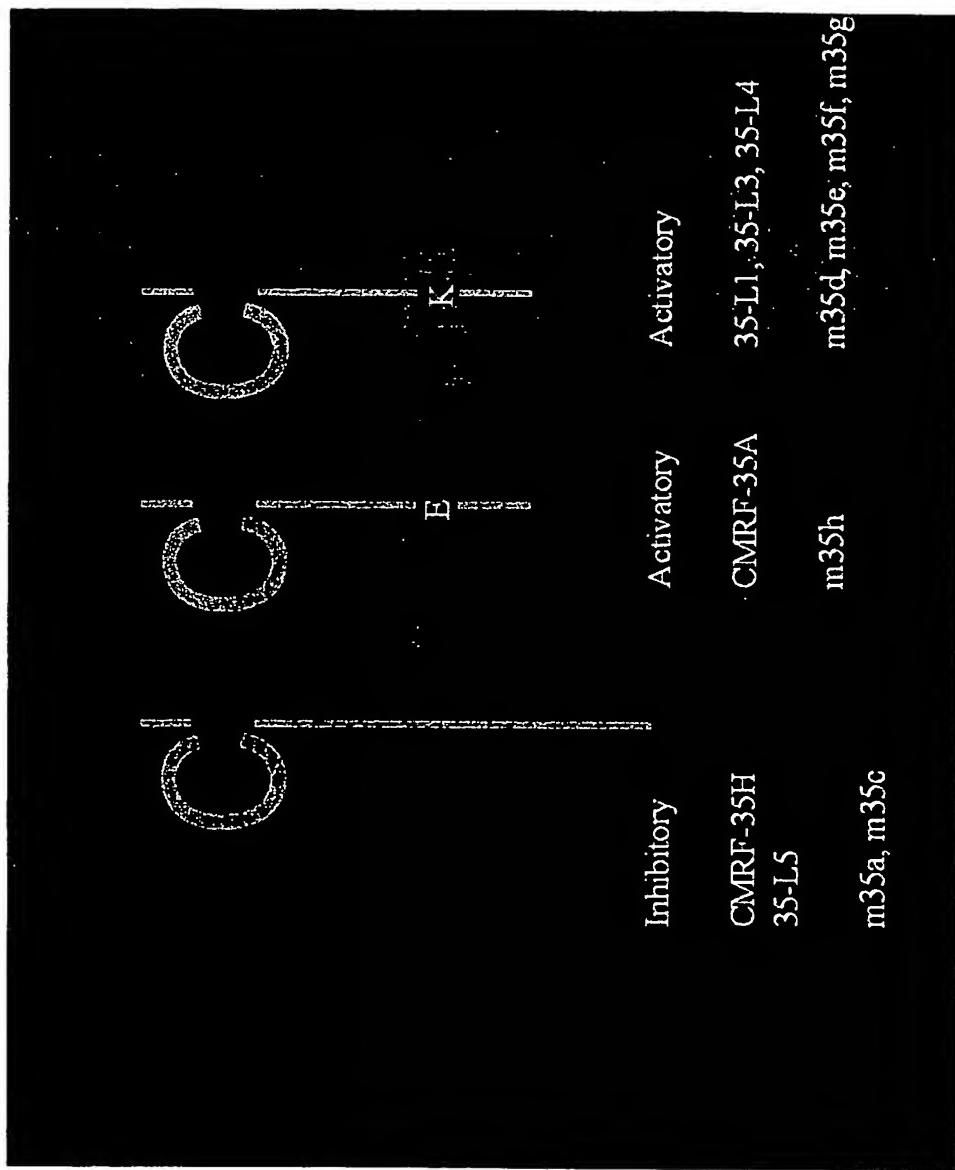


Figure 8

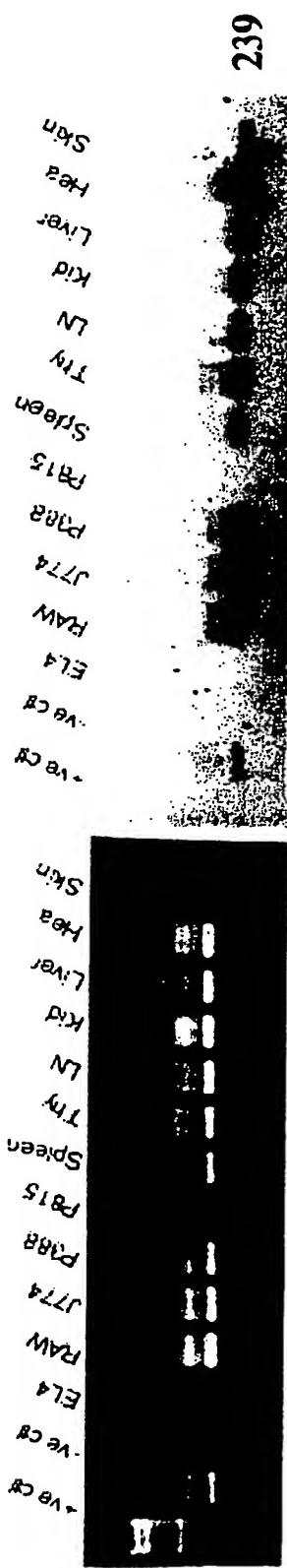


Figure 9A

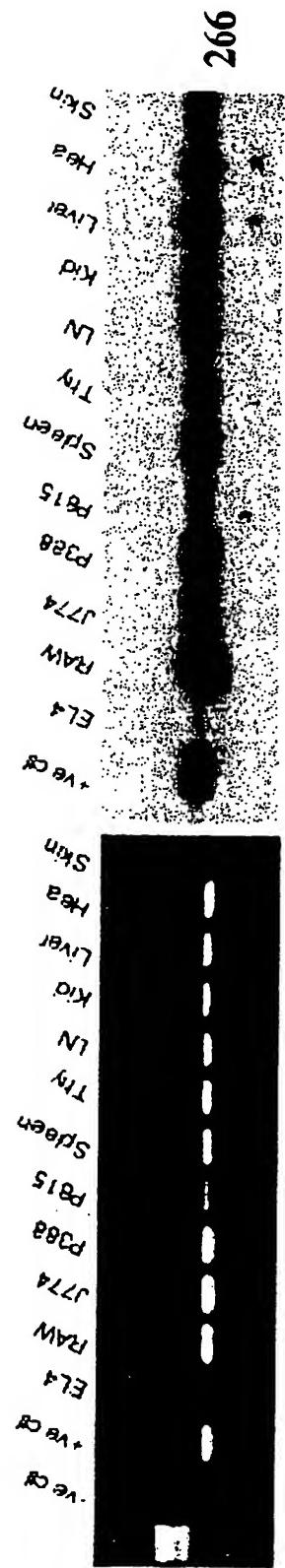


Figure 9B

217

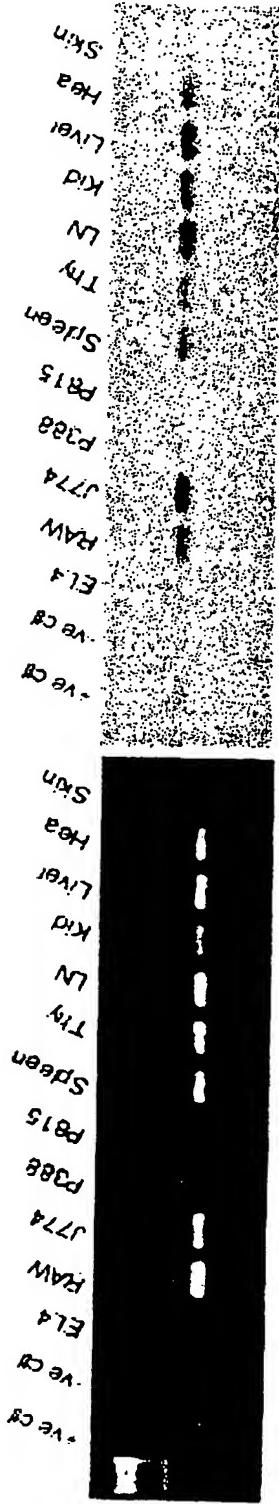


Figure 9C

142

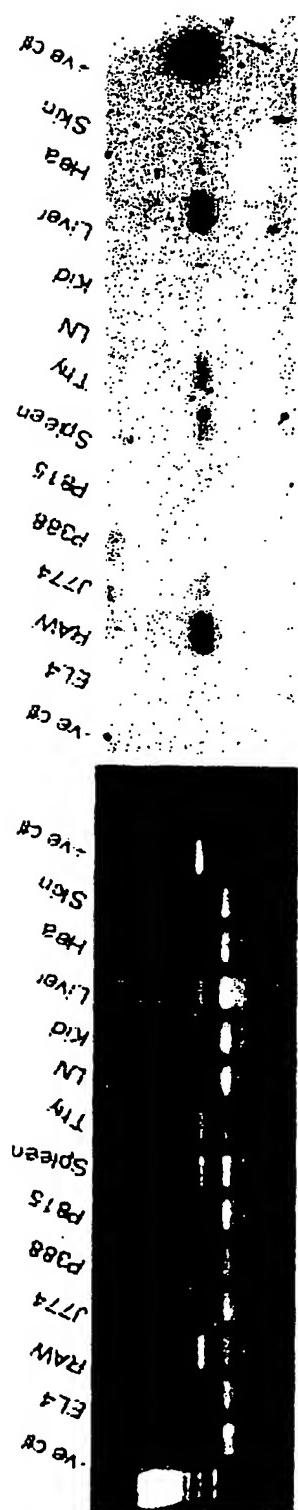


Figure 9D

111

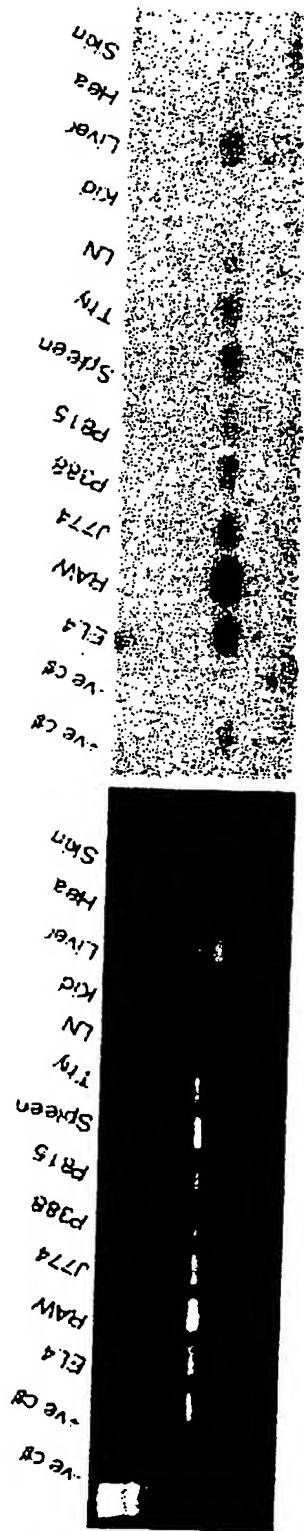


Figure 9E

246

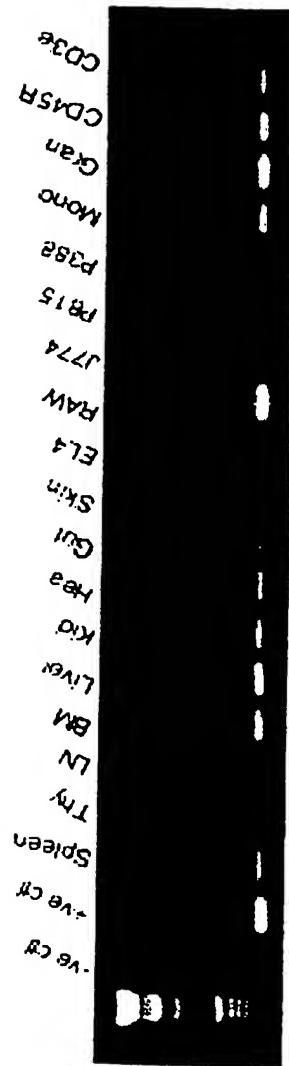


Figure 9F

244

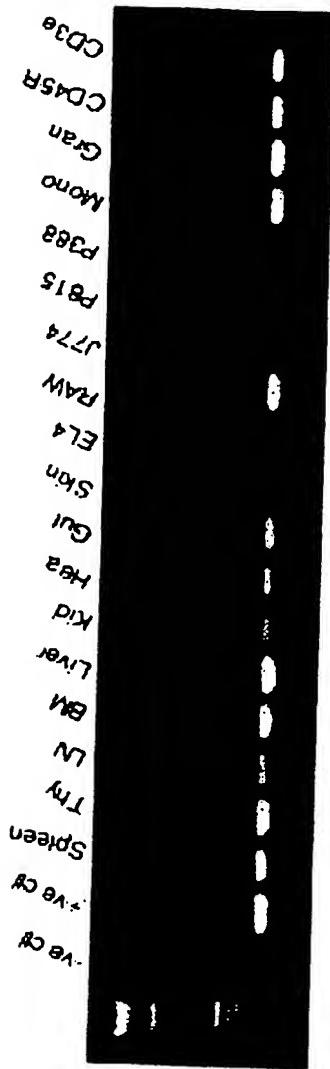


Figure 9G

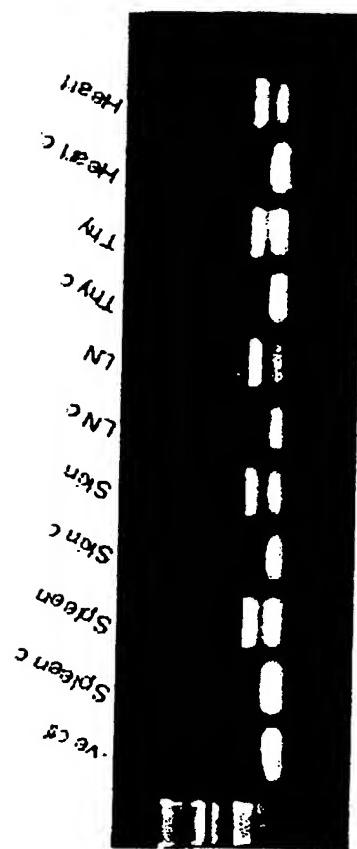
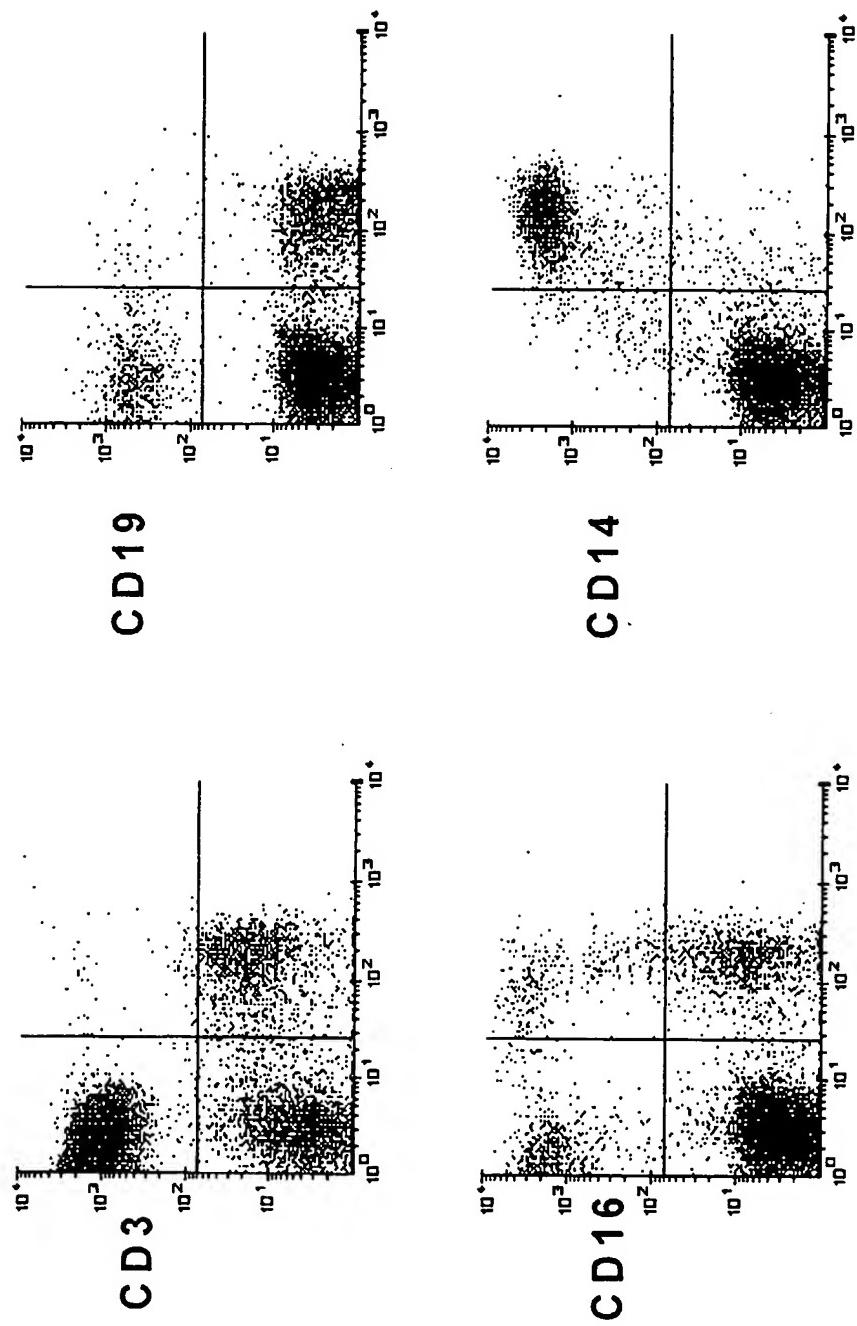


Figure 9H



4D2 (MMRI-1)

Figure 10

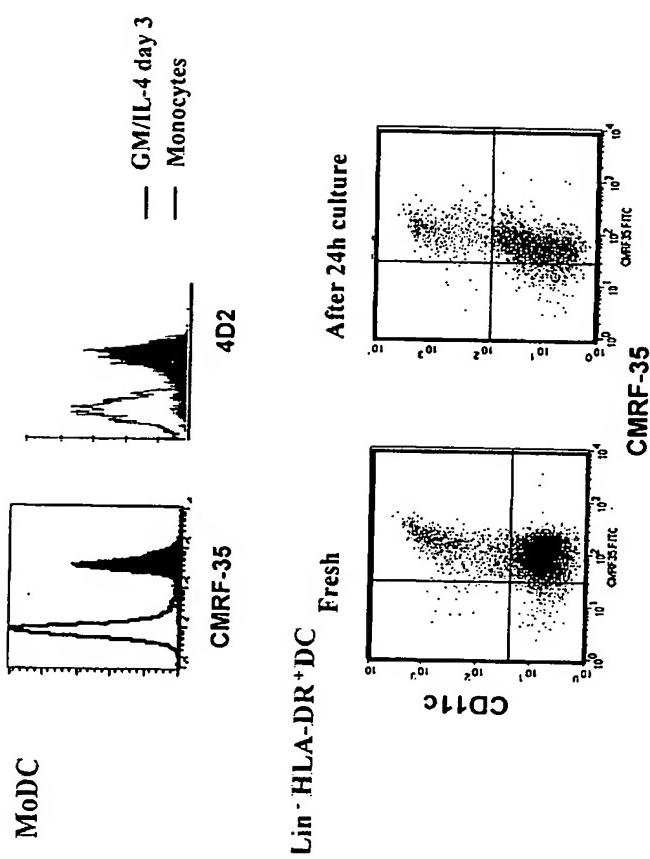


Figure 11

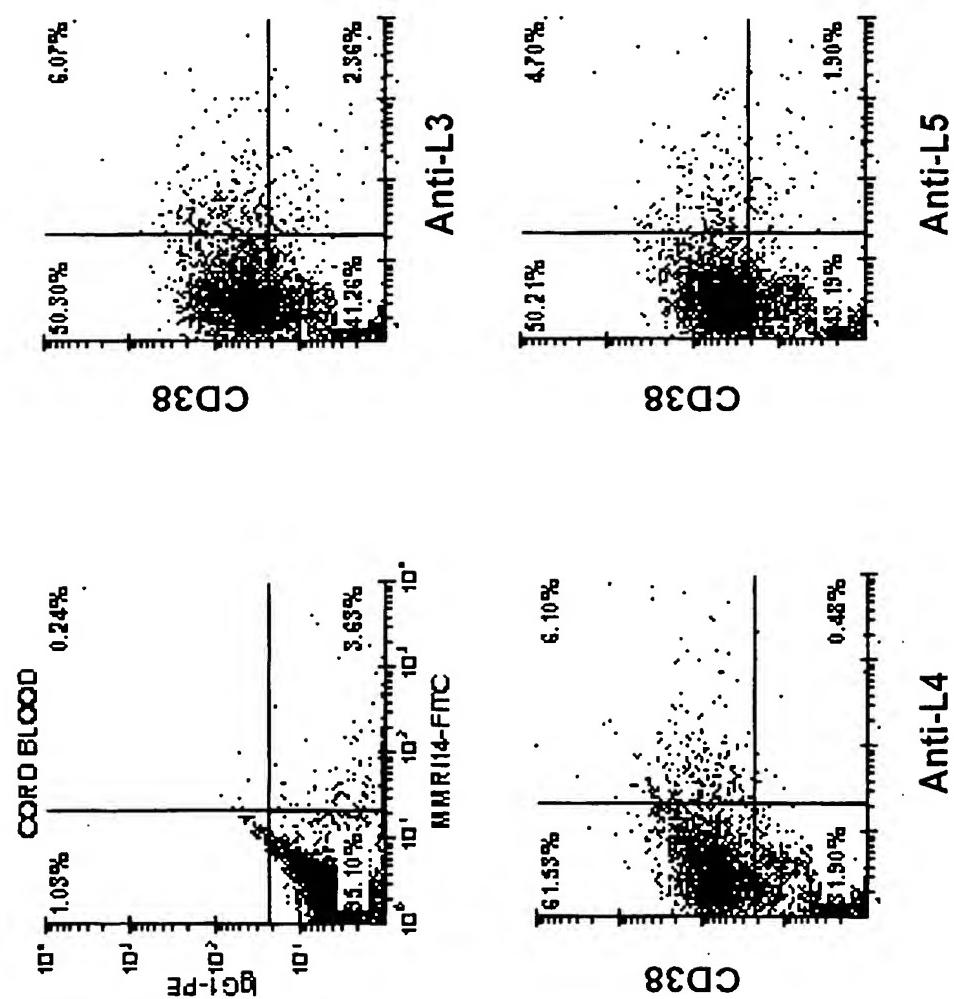


Figure 12

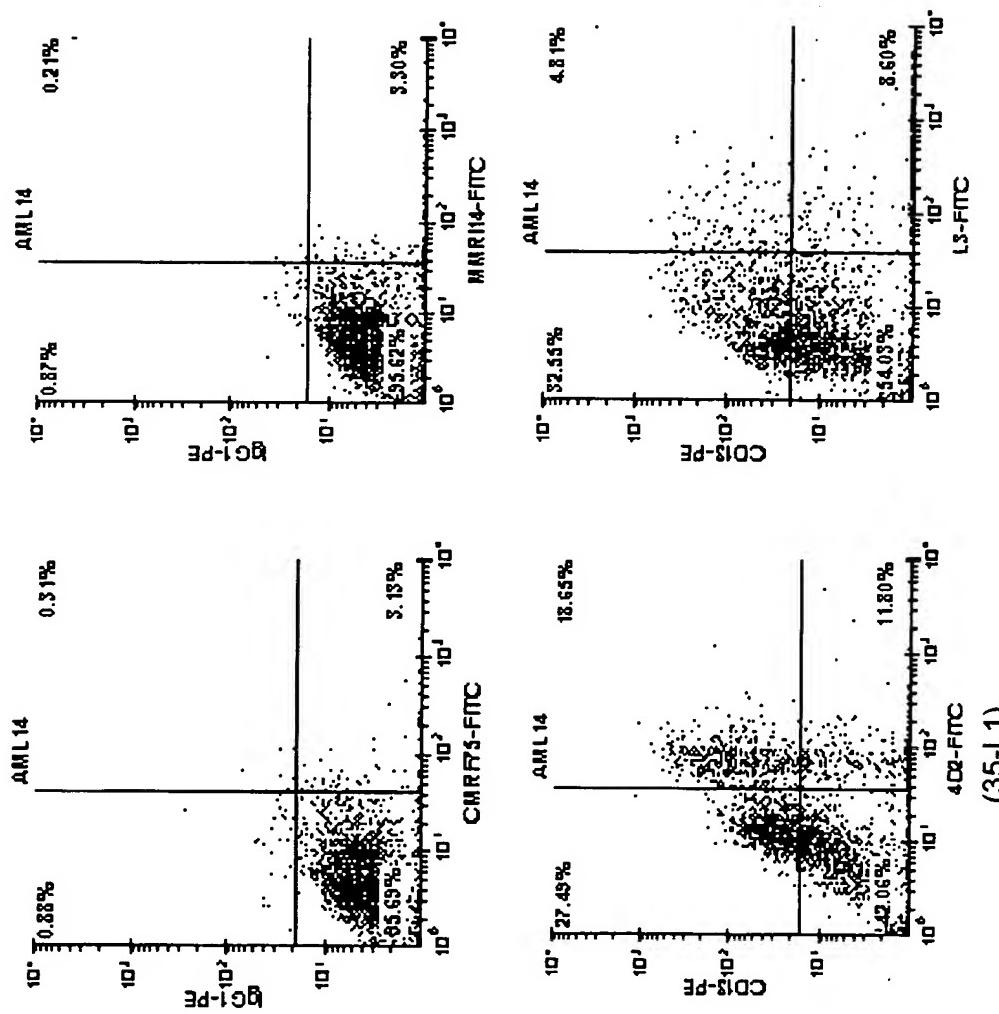


Figure 13

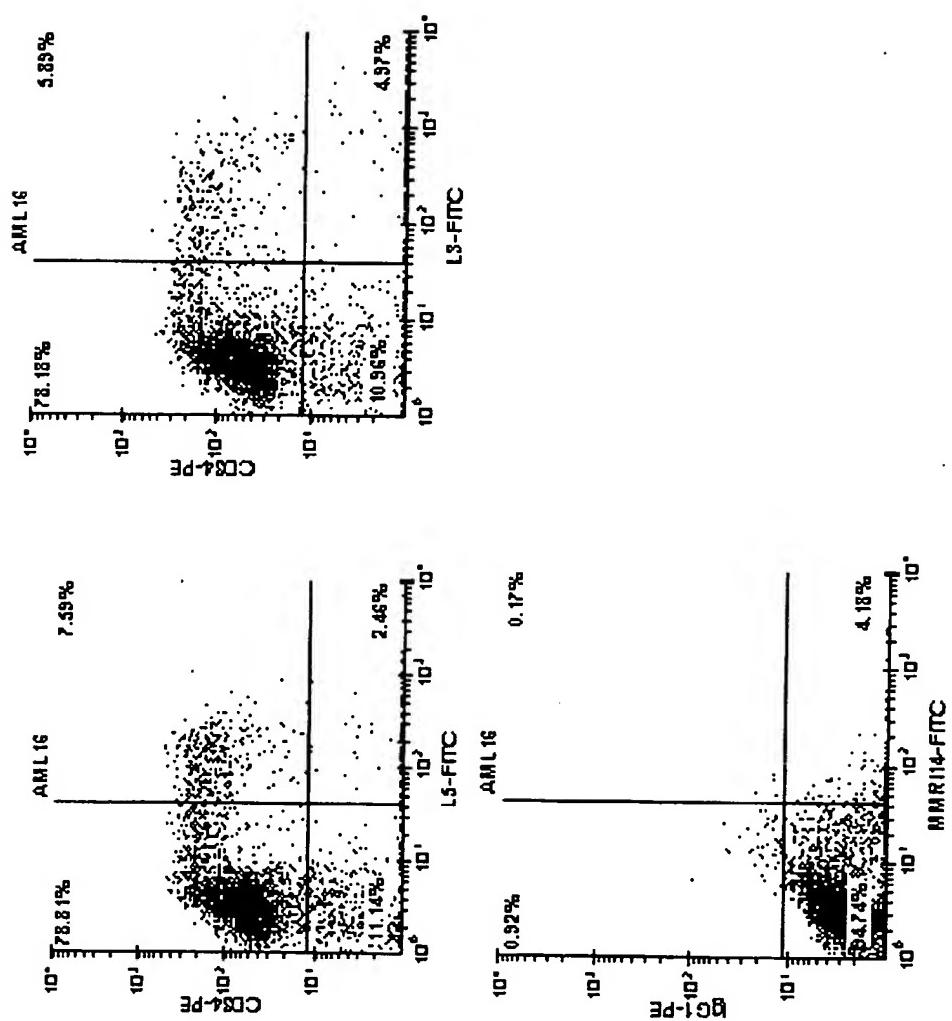


Figure 14